STATUS OF THE CLAIMS:

The listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

Claims 1-25 (cancelled)

26. (New) A method for providing a customer with service information via a terminal connected to a telecommunication network, the method comprising:

multiplexing a plurality of service data in a frame format for service transmission, whereby identification and control data of the services are located in at least one frame of the multiplexed frames;

forming selection data for the selection of the service on the basis of the identification and control data located in the service multiplex; and

transmitting the selection data based on the identification and control data separately, without the actual service data of the service multiplex, to the customer terminal for displaying the selection data.

27. (New) A method as claimed in claim 26, further comprising transmitting the selection data to the customer terminal via a different network than the service multiplex is transmitted.

28. (New) A method as claimed in claim 25, further comprising creating a service directory from said identification and control data, which service directory comprises the selection data and by which the services are presented on a display unit.

29. (New) A method as claimed in claim 28, further comprising compiling a separate service directory on the basis of said identification and control data; and transmitting said service directory to the display unit in response to said display unit connecting to a telecommunication network.

30. (New) A method as claimed in claim 28, further comprising compiling said service directory from the identification and control data of several multiplexed frames comprising a plurality of services.

31. (New) A method as claimed in claim 29, further comprising compiling said service directory from the identification and control data of several multiplexed frames comprising a plurality of services.

32. (New) A method as claimed in claim 28 or 29 or 30 or 31, further comprising updating said service directory continuously to servers operating in the telecommunication network in accordance with the predetermined multiplexed services; and transmitting said service directory to the display unit in response to said display unit establishing a connecting to said telecommunication network:

33. (New) A method as claimed in claim 26, further comprising in response to the user selecting a service displayed on the display unit, determining the telecommunication network, which is the most suitable for delivering the service; and delivering the service selected by the user from the transmitting address to the receiver via said determined telecommunication network.

34. (New) A method as claimed in claim 26, further comprising routing the selected service from the transmitting address to the receiver automatically on the basis of said identification and control data of the multiplexed frame.

35. (New) A terminal of a telecommunication network, which is arranged to receive selection data regarding a plurality of service data of a service provider for selecting a service to be transmitted to said terminal in a multiplexed form; and display the selection data of the service, which selection data is formed from the identification and control data located in the multiplexed service data frames, and which selection data has been transmitted separately, without the actual service data of the service multiplex.

36. (New) A terminal as claimed in claim 35, wherein the terminal is arranged to receive the selection data via a different network than the service multiplex is transmitted.

37. (New) A terminal as claimed in claim 35, wherein for forming the selection data of the service, the terminal is arranged to receive the service directory comprising the selection data and formed from the identification and control data.

38. (New) A terminal as claimed in claim 35, wherein the terminal is a television or a computer.